

00000009000

010000 ^{f(x)} 000000000

0200
$$b > 0$$
00000 $b \cdot ... (\frac{1}{e})^{\frac{1}{n}}$ 000 e 000000000

$$0300 = a > 0 = b > 0 = f(x) + (a + b)h2...f(a + b) - f_{b00}$$

oloooo f(x) oooooooooo aooooo

$$0 < f(a) + f(b) - 2f(\frac{a+b}{2}) < (b-a)hb$$

$$0100 K = 10 f(t) = g(t) 0000 t 000$$

$$200 \stackrel{a}{=} b \in R \stackrel{f}{=} a \stackrel{+}{=} g_{b} \dots \stackrel{f(0)}{=} + g^{(0)} + ab_{00000} \stackrel{K}{=} 00000$$

$$5002021 \bullet 0000000 a \neq 000000 f(x) = alnx + \sqrt{1+x} x > 0$$

$$a = -\frac{3}{4} = -\frac{3}{4} = 0$$

$$\lim_{n\to\infty} x\in [\frac{1}{e^n}_{n-1}]_{n} = f(x), \quad \frac{\sqrt{x}}{2a}_{n-1} = a_{n-1}$$

$$6002021 \bullet 000000 \ f(x) = (x - a)(x - b)(x - b)(x - c) \ a_0 \ b_0 \ c \in R_0 \ f(x) \ a_0 \ f($$

$$0100^{a} = b = c_0^{f} 040^{a} = 800^{a} 000^{a}$$

010000 ^{f(x)} 000000

$$2000 g(x) = 2(x+1) + xf(x) = 0000 0 < a, 100 g(x) > 0 = 0000$$

8002021 • 0000000
$$f(x) = x^2 + k \ln x (k \in R)$$
 0 $f(x)$ 00000

$$000^{k=6}$$

$$\lim_{n\to\infty} y = f(x) = (1_n f_{n1}) = 0$$

$$\frac{f(x) + f(x_2)}{2} > \frac{f(x) - f(x_2)}{x_1 - x_2}$$

$$9002021 \cdot 000000000 f(x) = lnx + 1_0$$

$$20000X \in (1,+\infty) \quad 1 < \frac{X-1}{\ln X} < X$$



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